

Amendments to and Listing of the Claims:

Please cancel claims 45-51.

1-12. (Canceled)

13. (Previously presented) The printing data processor according to claim 34, wherein the page state information has four different printing modes, in increasing size in terms of memory, including:

a monochrome binary printing mode;

a color binary printing mode;

a monochrome multiple value printing mode; and

a color multiple value printing mode.

14. (Cancelled)

15. (Previously presented) The printing data processor according to claim 34, wherein the editing process part includes:

a decoding process part that separates the printing data output from the host into commands; and

a command process part that executes a pre-process with respect to each command output from the decoding part.

16. (Previously presented) The printing data processor according to claim 34, wherein the printing data with intermediate form is printing data expressed by display list form.

17. (Previously presented) The printing data processor according to claim 34, further comprising:

a reading out part that reads out the page state information in order to control a printing operation depending upon the page state information.

18. (Previously presented) The printing data processor according to claim 34, wherein, based on said page state information, a proper process part is selected from a plurality of process parts.

19. (Previously presented) The printing data processor according to claim 34, further comprising:

a printing speed decision part for changing printing speed, the printing speed decision part determining printing speed from a judgment result of the page state for a current page being printed and a judgment result of a page following the current page being printed, according to a predetermined decision rule.

20. (Previously presented) The printing data processor according to claim 19, wherein the printing speed of color is slower than the printing speed of monochrome.

21. (Previously presented) The printing data processor according to claim 20, wherein following a monochrome printing, if a color printing will be performed, the printing speed of the monochrome printing is set to the printing speed of color.

22. (Previously presented) The printing data processor according to claim 19, wherein the printing speed is based on whether the printing data is color data or monochrome data.

23. (Previously presented) The printing data processor according to claim 22, wherein if monochrome data and color data are intermingling in printing data of one page, the printing speed is based on the printing speed of color.

24-33. (Cancelled)

34. (Previously presented) A printing data processor comprising:

an editing process part that, after having received printing data with page description language (PDL) form output from a host page by page, edits the PDL data into printing data with intermediate form by page unit and analyzes all color data contained in the intermediate data of one page in order to generate page state information corresponding to the one page;

an expansion process part that performs an expansion process with respect to the intermediate data; and

an expansion-use-memory that is used by the expansion process while the expansion process is being performed, a real-use-quantity of the expansion-use-memory for the expansion process of one page being set based on the page state information.

35. (Previously presented) The printing data processor according to claim 34, wherein the page state information indicates whether the one page requires color printing or monochrome printing.

36. (Previously presented) The printing data processor according to claim 34, wherein if the all color data include data indicating color and data indicating monochrome, the page state information is set to indicate color printing; and if the all color data only include data indicating monochrome, the page state information is set to indicate monochrome printing.

37. (Previously presented) The printing data processor according to claim 34, wherein if the page state information indicates that the one page is monochrome printing, the real-use-quantity is set to a smaller size than when the page state information indicates that the one page is color printing.

38. (Previously presented) The printing data processor according to claim 34, wherein the real-use-quantity corresponding to monochrome printing generally is one quarter of that corresponding to color printing.

39. (Previously presented) The printing data processor according to claim 34, wherein the page state information is added into the corresponding intermediate data.

40. (Previously presented) A printing data processor comprising:

an editing process part that, after having received printing data with page description language (PDL) form output from a host page by page, edits the PDL data into printing data with intermediate form by page unit and analyzes all color data contained in the

intermediate data of one page in order to generate page state information corresponding to the one page;

an expansion process part that performs an expansion process to expansively process the intermediate data into printable data corresponding to every page;

an intermediate data memory that stores the intermediate data;

a printable data memory that stores the printable data;

a system management part that, when the page state information indicates that the corresponding page is color printing, makes the intermediate data memory store the corresponding intermediate data and, when the page state information indicates that the corresponding page is monochrome printing, makes the expansion process part perform the expansion process and makes the printable data memory store the corresponding printable data.

41. (Previously presented) The printing data processor according to claim 40, wherein all of the expansion processes corresponding to monochrome printing pages are performed prior to executing printing and all of the expansion processes corresponding to color printing pages are performed while executing printing.

42. (Previously presented) A printing data processor comprising:

an editing process part that, after having received printing data with page description language (PDL) form output from a host page by page, edits the PDL data into printing data with intermediate form by page unit and analyzes all color data contained in the intermediate data of one page in order to generate page state information corresponding to the one page;

an expansion process part that performs an expansion process to expansively process the intermediate data into printable data corresponding to every page;

an intermediate data memory that stores the intermediate data;

a printable data memory that stores the printable data;

an expansion-use-memory that is used by the expansion process while the expansion process is performed;

a system management part that sets the real-use-quantity of the expansion-use-memory for the expansion process of one page based on the page state information; when the page state information indicates that the corresponding page is color printing, makes the intermediate data memory store the corresponding intermediate data; and when the page state information indicates that the corresponding page is monochrome printing, makes the expansion process part perform the expansion process and makes the printable data memory store the corresponding printable data.

43. (Previously presented) The printing data processor according to claim 42, wherein all of the expansion processes corresponding to monochrome printing pages are performed prior to executing printing.

44. (Previously presented) The printing data processor according to claim 42, wherein all of the expansion processes corresponding to monochrome printing pages are continuously performed prior to executing printing, and the expansion-use-memory is used once for four monochrome printing pages.

45-51. (Cancelled)